

AUTHOR INDEX TO VOLUME 154

Achkar, Y., see B. Bussery 154 (1989) 280

Adachi, Y., see S. Matsunuma 154 (1989) 555

Ahlrichs, R., M. Häser, H. Schnöckel and M. Tacke, Aluminum η^2 -olefin bonds in dimeric 1,4-dichloro-1,4-dialumina-2,5-cyclohexadiene 154 (1989) 104

Akamatsu, N., see S. Matsunuma 154 (1989) 555

Albert, I.D.L., see S. Ramasesha 154 (1989) 501

Almlöf, J., see S. Sæbø 154 (1989) 83

Amrhein, E.M., see J.A. Centeno 154 (1989) 97

Angeloni, L. and R. Righini, Anomalous temperature dependence of the vibrational exciton lifetime in NaNO_3 crystal 154 (1989) 115

Angeloni, L., R. Righini, P.R. Salvi and V. Schettino, Relaxation dynamics of Fermi doublets in CS_2 154 (1989) 432

Apkarian, V.A., see N. Schwentner 154 (1989) 237

Apkarian, V.A., see N. Schwentner 154 (1989) 413

Atakan, B., A. Jacobs, M. Wahl, R. Weller and J. Wolfrum, Kinetic studies of the gas-phase reactions of CN with O_2 and H_2 from 294 to 1000 K 154 (1989) 449

Aubert-Frécon, M., see B. Bussery 154 (1989) 280

Baba, H., see N. Ikeda 154 (1989) 207

Back, M.H., see L. Giroux 154 (1989) 610

Back, R.A., see L. Giroux 154 (1989) 610

Baggott, J.E., M.A. Blitz and P.D. Lightfoot, The reaction of gas-phase dimethylsilylene with dimethyl ether 154 (1989) 330

Balasubramanian, K. and J.Z. Wang, Spectroscopic properties and potential energy curves of thirty-six electronic states of ZrH 154 (1989) 525

Ballhausen, C.J., A note on the $V=A/x^2+Bx^2$ potential, Chem. Phys. Letters 146 (1988) 449. Erratum 154 (1989) 174

Barbara, P.F., see S.R. Flom 154 (1989) 193

Baronavski, A.P., see L. Pasternack 154 (1989) 121

Barrientos, A., see J.A. Centeno 154 (1989) 97

Barron, L.D., L. Hecht and P.L. Polavarapu, Polarized Raman optical activity in methyl antisymmetric deformations: influence of heteroatom Rydberg orbitals 154 (1989) 251

Barth, S., see C. Jäger 154 (1989) 45

Bayes, K.D., see K.H. Becker 154 (1989) 342

Beach, D.B., see S.M. Gates 154 (1989) 505

Beaman, R., see R. Sobczynski 154 (1989) 349

Becker, K.H., B. Engelhardt, P. Wiesen and K.D. Bayes, Rate constants for $\text{CH}(\text{X}^2\Pi)$ reactions at low total pressures 154 (1989) 342

Bhaskar, N.D., R.P. Frueholz, C.M. Klimcak and R.A. Cook, Production of mass-selected neutral clusters of rubidium 154 (1989) 175

Bin Hussein, M.Z., see J.M. Hollas 154 (1989) 14

AUTHOR INDEX TO VOLUME 154

Achkar, Y., see B. Bussery 154 (1989) 280

Adachi, Y., see S. Matsunuma 154 (1989) 555

Ahlrichs, R., M. Häser, H. Schnöckel and M. Tacke, Aluminum η^2 -olefin bonds in dimeric 1,4-dichloro-1,4-dialumina-2,5-cyclohexadiene 154 (1989) 104

Akamatsu, N., see S. Matsunuma 154 (1989) 555

Albert, I.D.L., see S. Ramasesha 154 (1989) 501

Almlöf, J., see S. Sæbø 154 (1989) 83

Amrhein, E.M., see J.A. Centeno 154 (1989) 97

Angeloni, L. and R. Righini, Anomalous temperature dependence of the vibrational exciton lifetime in NaNO_3 crystal 154 (1989) 115

Angeloni, L., R. Righini, P.R. Salvi and V. Schettino, Relaxation dynamics of Fermi doublets in CS_2 154 (1989) 432

Apkarian, V.A., see N. Schwentner 154 (1989) 237

Apkarian, V.A., see N. Schwentner 154 (1989) 413

Atakan, B., A. Jacobs, M. Wahl, R. Weller and J. Wolfrum, Kinetic studies of the gas-phase reactions of CN with O_2 and H_2 from 294 to 1000 K 154 (1989) 449

Aubert-Frécon, M., see B. Bussery 154 (1989) 280

Baba, H., see N. Ikeda 154 (1989) 207

Back, M.H., see L. Giroux 154 (1989) 610

Back, R.A., see L. Giroux 154 (1989) 610

Baggott, J.E., M.A. Blitz and P.D. Lightfoot, The reaction of gas-phase dimethylsilylene with dimethyl ether 154 (1989) 330

Balasubramanian, K. and J.Z. Wang, Spectroscopic properties and potential energy curves of thirty-six electronic states of ZrH 154 (1989) 525

Ballhausen, C.J., A note on the $V=A/x^2+Bx^2$ potential, Chem. Phys. Letters 146 (1988) 449. Erratum 154 (1989) 174

Barbara, P.F., see S.R. Flom 154 (1989) 193

Baronavski, A.P., see L. Pasternack 154 (1989) 121

Barrientos, A., see J.A. Centeno 154 (1989) 97

Barron, L.D., L. Hecht and P.L. Polavarapu, Polarized Raman optical activity in methyl antisymmetric deformations: influence of heteroatom Rydberg orbitals 154 (1989) 251

Barth, S., see C. Jäger 154 (1989) 45

Bayes, K.D., see K.H. Becker 154 (1989) 342

Beach, D.B., see S.M. Gates 154 (1989) 505

Beaman, R., see R. Sobczynski 154 (1989) 349

Becker, K.H., B. Engelhardt, P. Wiesen and K.D. Bayes, Rate constants for $\text{CH}(\text{X}^2\Pi)$ reactions at low total pressures 154 (1989) 342

Bhaskar, N.D., R.P. Frueholz, C.M. Klimcak and R.A. Cook, Production of mass-selected neutral clusters of rubidium 154 (1989) 175

Bin Hussein, M.Z., see J.M. Hollas 154 (1989) 14

Bin Hussein, M.Z., see J.M. Hollas	154 (1989) 228
Blair, J.T., J.D. Westbrook, R.M. Levy and K. Krogh-Jespersen, Simple models for solvation effects on electronic transition energies: formaldehyde and water	154 (1989) 531
Blasse, G., G.J. Dirksen, A. Meijerink, J.F. van der Pol, E. Neeleman and W. Drenth, Luminescence and energy migration in the solid state and in the ordered columnar mesophase of peripherally octa- <i>n</i> -dodecoxy-substituted phthalocyanine	154 (1989) 420
Blitz, M.A., see J.E. Baggott	154 (1989) 330
Bloor, J.E., see D.W. Noid	154 (1989) 391
Boden, N., R.J. Bushby, J. Clements, M.V. Jesudason, P.F. Knowles and G. Williams, One-dimensional electronic conductivity in discotic liquid crystals, <i>Chem. Phys. Letters</i> 152 (1988) 94. Erratum	154 (1989) 613
Boursey, E., see C. Maños	154 (1989) 563
Brédas, J.L. and A.J. Heeger, The role of solitons in the first B_u excited state of polyene chains: from short polyenes to polyacetylene	154 (1989) 56
Bühlmann, C., A. Schweiger and R.R. Ernst, Hyperfine-selective ENDOR	154 (1989) 285
Bushby, R.J., see N. Boden	154 (1989) 613
Bussery, B., Y. Achkar and M. Aubert-Frécon, Coulomb interaction energy including overlap effects for the ground states of LiNa and Na ₂	154 (1989) 280
Calabrese, J.C., see W. Tam	154 (1989) 93
Carnell, M. and S.D. Peyerimhoff, The $a^2\Delta$ versus $2^3\Pi$ state of the cesium hydride molecule	154 (1989) 484
Castex, M.C., see C. Maños	154 (1989) 563
Centeno, J.A., E.M. Amrhein and A. Barrientos, Use of first-order Raman scattering to characterize YBa ₂ Cu ₃ O _{7-δ} superconductors: effects of surface changes	154 (1989) 97
Chattaraj, P.K., A pseudo-scattering technique for bound state calculations within density functional theory	154 (1989) 541
Chaudhuri, R., see D. Sinha	154 (1989) 544
Chuang, T.J., see A. Mödl	154 (1989) 187
Clark, D.L., J.C. Green, C.M. Redfern, G.E. Quelch, I.H. Hillier and M.F. Guest, An experimental and theoretical study of the ionization energies of Ru ₂ (O ₂ CCF ₃) ₄ and Ru ₂ (O ₂ CCF ₃) ₄ (NO) ₂	154 (1989) 326
Clary, D.C. and C.E. Dateo, Competition between vibrational and rotational excitation in glyoxal	154 (1989) 62
Clements, J., see N. Boden	154 (1989) 613
Clouthier, D.J., see J.R. Dunlop	154 (1989) 613
Collart, P., see N. Ikeda	154 (1989) 207
Cook, R.A., see N.D. Bhaskar	154 (1989) 175
Cuccaro, S.A., P.G. Hipes and A. Kuppermann, Hyper-spherical coordinate reactive scattering using variational surface functions	154 (1989) 155
Dagdigian, P.J., see J.P. Doering	154 (1989) 234
Dateo, C.E., see D.C. Clary	154 (1989) 62
De Merás, A.M.S., see J. Olsen	154 (1989) 380
De Schryver, F.C., see N. Ikeda	154 (1989) 207
Dikanov, S.A., R.G. Evelo, A.J. Hoff and A.M. Tyryshkin, Orientation-dependent ESEEM spectroscopy in disordered systems. Applications to bis(acetylacetonato)oxovanadium(IV) adducts in frozen solution and comparison with ENDOR data	154 (1989) 34

Di Napoli, V., A. Mele, D. Stranges, A. Giardini-Guidoni and R. Teghil, IR laser photolysis of mixtures of silane with nitric oxide and acetylene	154 (1989) 217
Dirksen, G.J., see G. Blasse	154 (1989) 420
Doering, J.P. and P.J. Dagdigian, Experimental electron scattering spectrum of atomic carbon	154 (1989) 234
Domen, K., see A. Mödl	154 (1989) 187
Drenth, W., see G. Blasse	154 (1989) 420
Dunlop, J.R., J. Karolczak and D.J. Clouthier, Pyrolysis jet spectroscopy, <i>Chem. Phys. Letters</i> 151 (1988) 362. Erratum	154 (1989) 613
Dunning, F.B., see C.W. Walter	154 (1989) 409
Durant Jr., J.L. and F.P. Tully, Kinetic study of the reaction between CN and O ₂ from 295 to 710 K	154 (1989) 568
Eller, K., D. Sülzle and H. Schwarz, On the generation and identification of stable HCN/Cu(0) and HNC/Cu(0) complexes in the gas phase using neutralization/reionization mass spectrometry (NRMS)	154 (1989) 443
Engelhardt, B., see K.H. Becker	154 (1989) 342
Ernst, R.R., see C. Bühlmann	154 (1989) 285
Evelo, R.G., see S.A. Dikanov	154 (1989) 34
Fajardo, M.E., see N. Schwentner	154 (1989) 237
Feltz, A., see C. Jäger	154 (1989) 45
Fernández, A., Sequence dependence for the melting of globular states in heteropolymers	154 (1989) 396
Fijan, D., D. Veža and G. Pichler, Photochemical production of the electronically excited NaCd excimer	154 (1989) 126
Flom, S.R., G.C. Walker, L.E. Lynch, L.L. Miller and P.F. Barbara, Degenerate four-wave mixing experiments on polyacene quinones	154 (1989) 193
Fraissard, J., see M.A. Springuel-Huet	154 (1989) 299
Freedman, T.B., see L.A. Nafie	154 (1989) 260
Fromherz, P., Dissipative spinodal condensation of membrane proteins	154 (1989) 146
Frueholz, R.P., see N.D. Bhaskar	154 (1989) 175
Fushiki, M., An anisotropic hypernetted chain approximation for the spherical cell model	154 (1989) 77
Futami, H., see M. Koyanagi	154 (1989) 577
Gates, S.M., C.M. Greenlief, D.B. Beach and R.R. Kunz, Reactive sticking coefficient of silane on the Si(111)-(7×7) surface	154 (1989) 505
Gershenzon, Yu.M., see M.A. Ioffe	154 (1989) 131
Giardini-Guidoni, A., see V. Di Napoli	154 (1989) 217
Giroux, L., M.H. Back and R.A. Back, A comment on the rotational isomerization of ethylene	154 (1989) 610
Glasbeek, M., see E. van Oort	154 (1989) 587
Goddard, J.D., A computational study of the HCCO and HCCS radicals	154 (1989) 387
Goldman, S., A radially accurate perturbation theory for molecular liquids: the structure of nitrogen	154 (1989) 536
Grätzel, M., see G. Rothenberger	154 (1989) 165
Gray, C.G., see C.G. Joslin	154 (1989) 369
Green, J.C., see D.L. Clark	154 (1989) 326

Greenlief, C.M., see S.M. Gates	154 (1989) 505
Groenen, E.J.J., see M. Ros	154 (1989) 29
Güdel, H.U., see C. Reber	154 (1989) 425
Guerin, B., see W. Tam	154 (1989) 93
Guest, M.F., see D.L. Clark	154 (1989) 326
Guldberg, A., Some properties of symmetrized transition density matrices based on configuration interaction wavefunctions	154 (1989) 487
Halstead, D., see S. Holloway	154 (1989) 181
Harris, K.D.M. and P. Jonsen, ^2H NMR investigation of the dynamic behaviour of <i>n</i> -hexadecane in its urea inclusion compound	154 (1989) 593
Häser, M., see R. Ahlrichs	154 (1989) 104
Hashimoto, H. and Y. Koyama, The C=C stretching Raman lines of β -carotene isomers in the S_1 state as detected by pump-probe resonance Raman spectroscopy	154 (1989) 321
Hawlicka, E., G. Pálinkás and K. Heinzinger, A molecular dynamics study of liquid methanol with a flexible six-site model	154 (1989) 255
Hayaishi, T., see K. Ueda	154 (1989) 357
Hayaishi, T., see S. Nagaoka	154 (1989) 363
Hecht, L., see L.D. Barron	154 (1989) 251
Heeger, A.J., see J.L. Brédas	154 (1989) 56
Heinzinger, K., see E. Hawlicka	154 (1989) 255
Henglein, A., Non-metallic silver clusters in aqueous solution: stabilization and chemical reactions	154 (1989) 473
Hidaka, Y., T. Nakamura and H. Kawano, High temperature pyrolysis of CF_3Br in shock waves	154 (1989) 573
Higuchi, J., see Y. Shioya	154 (1989) 25
Hillier, I.H., see D.L. Clark	154 (1989) 326
Hipes, P.G., see S.A. Cuccaro	154 (1989) 155
Hiraoka, K. and S. Yamabe, Stabilities of the $\text{N}_3^+(\text{N}_2)_n$ cluster ions with $n=1-11$	154 (1989) 139
Hirose, C., see S. Matsunuma	154 (1989) 555
Hochstrasser, R.M., see H.P. Trommsdorff	154 (1989) 463
Hoff, A.J., see S.A. Dikanov	154 (1989) 34
Hollas, J.M. and M.Z. bin Hussein, The C(1)-C(α) torsional potential function of 2-fluorostyrene from S_1-S_0 fluorescence in a supersonic jet	154 (1989) 14
Hollas, J.M. and M.Z. bin Hussein, The C(1)-C(α) torsional potential function of cis- and trans-3-fluorostyrene by supersonic jet spectroscopy	154 (1989) 228
Holloway, S. and D. Halstead, The scattering of oriented NO from Ag(111) surfaces	154 (1989) 181
Houret, R. and T. Vulpius, Formation of metal cluster ions by gas-phase ion-molecule reactions: the bond energies of Cr_2^+ and Mn_2^+	154 (1989) 454
Huang, R., see Z. Ma	154 (1989) 9
Hummel, A., see M. Tachiya	154 (1989) 497
Ikeda, N., H. Baba, H. Masuhara, P. Collart, F.C. De Schryver and N. Mataga, Intramolecular excimer formation of the diastereoisomers of bis[1-(2-pyrenyl)ethyl] ether as revealed by picosecond time-resolved absorption spectroscopy	154 (1989) 207
Ikuta, S. and O. Nomura, An ab initio study on the intramolecular hydrogen bond of protonated ethylene glycol and ethylenediamine	154 (1989) 71

Inoue, T., see A. Tachibana	154 (1989) 403
Ioffe, M.A., Yu.M. Gershenzon, V.B. Rozenshtein and S.Ya. Umanskii, Non-Arrhenius behavior of the F+H ₂ reaction rate at 293–700 K	154 (1989) 131
Ishikawa, S., see A. Tachibana	154 (1989) 403
Jacobs, A., see B. Atakan	154 (1989) 449
Jäger, C., S. Barth and A. Feltz, ²³ Na NMR study of the NASICON system Na _{1+x} Zr ₂ (PO ₄) _{3-x} (SiO ₄) _x	154 (1989) 45
Jamieson, M.J., Coupled Hartree-Fock calculation of the Cotton-Mouton constant and hyperpolarizability of helium	154 (1989) 521
Jensen, H.J.Aa., see J. Olsen	154 (1989) 380
Jesudason, M.V., see N. Boden	154 (1989) 613
Jones, H., see R.-D. Urban	154 (1989) 135
Jonsen, P., see K.D.M. Harris	154 (1989) 593
Jørgensen, P., see J. Olsen	154 (1989) 380
Joslin, C.G. and C.G. Gray, Far-infrared absorption in liquid carbon tetrachloride: a theoretical study of the lineshape and intensity	154 (1989) 369
Kamisuki, T., see S. Matsunuma	154 (1989) 555
Kanno, H., see S. Yamauchi	154 (1989) 248
Karolczak, J., see J.R. Dunlop	154 (1989) 613
Kasuya, T., see T. Munakata	154 (1989) 604
Kawano, H., see Y. Hidaka	154 (1989) 573
Kaziska, A.J., see S.A. Wittmeyer	154 (1989) 1
Kaziska, A.J., S.A. Wittmeyer, A.L. Motyka and M.R. Topp, Mode- and complexation-specific singlet-triplet coupling in jet-cooled perylene studied by time-resolved fluorescence spectroscopy	154 (1989) 199
Kern, J., H. Schwahn and B. Schramm, Nuclear spin state relaxation in formaldehyde	154 (1989) 292
Kirstein, S., H. Möhwald and M. Shimomura, Crystalline two-dimensional domains of cyanine dyes at interfaces	154 (1989) 303
Klimcak, C.M., see N.D. Bhaskar	154 (1989) 175
Knowles, P.F., see N. Boden	154 (1989) 613
Koszykowski, M.L., see D.W. Noid	154 (1989) 391
Koyama, Y., see H. Hashimoto	154 (1989) 321
Koyanagi, M., H. Futami, M. Mukai and S. Yamauchi, Direct evidence of photochemical α -cleavage of benzoin in fluid solutions	154 (1989) 577
Koyano, I., see K. Ueda	154 (1989) 357
Koyano, I., see S. Nagaoka	154 (1989) 363
Krogh-Jespersen, K., see J.T. Blair	154 (1989) 531
Kunz, R.R., see S.M. Gates	154 (1989) 505
Kupka, H., see T. Ledwig	154 (1989) 309
Kuppermann, A., see S.A. Cuccaro	154 (1989) 155
Kushawaha, V. and A. Michael, Collisional studies involving low energy helium ions and mercury bromide	154 (1989) 599
Le Duff, Y., see C. Maïnos	154 (1989) 563
Ledwig, T., H. Kupka and H.-H. Perkampus, On the mechanism of triplet-singlet relaxation in phenanthrene	154 (1989) 309

Legon, A.C. and C.A. Rego, H, ¹⁹ F nuclear-spin–nuclear-spin coupling in the rotational spectrum of (CH ₃) ₃ ¹⁵ N...HF and the lengthening of the HF bond	154 (1989) 468
Levy, R.M., see J.T. Blair	154 (1989) 531
Li, Z. and H.A. Scheraga, Computation of the free energy of liquid water by the Monte Carlo recursion method	154 (1989) 516
Lightfoot, P.D., see J.E. Baggott	154 (1989) 330
Lindsay, B.G., see C.W. Walter	154 (1989) 409
Ludwig, P.K., see J. Notholt	154 (1989) 101
Lynch, L.E., see S.R. Flom	154 (1989) 193
Lynden-Bell, R.M., see P.-O. Westlund	154 (1989) 67
Ma, Z., R. Huang and C. Zhang, Multi-quantum transfer vibrational relaxation in supersonic jets of I ₂ (B, $\nu' = 43$) seeded in Ar, N ₂ and CO	154 (1989) 9
Madonia, F., see P.L. San Biagio	154 (1989) 477
Magg, U., see R.-D. Urban	154 (1989) 135
Mainos, C., Y. Le Duff, M.C. Castex and E. Boursey, Pressure effects in multiple resonant multiphoton transitions	154 (1989) 563
Majenz, W., see W. Rettig	154 (1989) 335
Maki, A.H., see B.D. Schlyer	154 (1989) 39
Marks, A.J., J.N. Murrell and A.J. Stace, The influence of molecular rotation on a gas-phase unimolecular isomerisation reaction	154 (1989) 492
Masuhara, H., see N. Ikeda	154 (1989) 207
Mataga, N., see N. Ikeda	154 (1989) 207
Matsunuma, S., N. Akamatsu, T. Kamisuki, Y. Adachi and C. Hirose, Resonance CARS spectrum of <i>p</i> -aminophenylthiyl radical and Raman spectrum of bis-(<i>p</i> -aminophenyl) disulfide	154 (1989) 555
Mauersberger, K., see J. Morton	154 (1989) 143
McCommon, J.A., see C.F. Wong	154 (1989) 151
McLauchlan, K.A. and N.J.K. Simpson, The transfer of electron spin polarization (Cl-DEP) to secondary radicals	154 (1989) 550
Meech, S.R. and K. Yoshihara, Picosecond dynamics of adsorbates by time-resolved surface second-harmonic generation	154 (1989) 20
Meijerink, A., see G. Blasse	154 (1989) 420
Mele, A., see V. Di Napoli	154 (1989) 217
Michael, A., see V. Kushawaha	154 (1989) 599
Miller, L.L., see S.R. Flom	154 (1989) 193
Mitchell, J.B.O. and S.L. Price, On the electrostatic directionality of N–H...O=C hydrogen bonding	154 (1989) 267
Mödl, A., K. Domen and T.J. Chuang, Laser-induced CH ₂ and C ₂ H ₄ formation and desorption from CH ₂ I ₂ adsorbed on Al surfaces	154 (1989) 187
Mohsin, S.B., M. Trenary and H.J. Robota, Kinetics of ethylidyne formation on Pt(111) from time-dependent infrared spectroscopy	154 (1989) 511
Möhwald, H., see S. Kirstein	154 (1989) 303
Morton, J., B. Schueler and K. Mauersberger, Oxygen fractionation of ozone isotopes ⁴⁸ O ₃ through ⁵⁴ O ₃	154 (1989) 143
Motyka, A.L., see S.A. Wittmeyer	154 (1989) 1
Motyka, A.L., see A.J. Kaziska	154 (1989) 199

Mukai, M., see M. Koyanagi	154 (1989) 577
Mukherjee, D., see D. Sinha	154 (1989) 544
Mukhopadhyay, S.K., see D. Sinha	154 (1989) 544
Munakata, T. and T. Kasuya, Ion pair production from CH_3Cl and CH_3Br with 118 nm laser light	154 (1989) 604
Murrell, J.N., see A.J. Marks	154 (1989) 492
Mutai, K., see R. Nakagaki	154 (1989) 581
Nafie, L.A. and T.B. Freedman, Dual circular polarization Raman optical activity	154 (1989) 260
Nagakura, S., see R. Nakagaki	154 (1989) 581
Nagaoka, S., see K. Ueda	154 (1989) 357
Nagaoka, S., I. Koyano, K. Ueda, E. Shigemasa, Y. Sato, A. Yagishita, T. Nagata and T. Hayaishi, Site-specific fragmentation following inner-core level excitation of $\text{Pb}(\text{CH}_3)_4$ in the vapor phase	154 (1989) 363
Nagata, T., see K. Ueda	154 (1989) 357
Nagata, T., see S. Nagaoka	154 (1989) 363
Nakagaki, R., K. Mutai and S. Nagakura, Photochemistry of chain molecules containing 4-nitro-1-naphthoxyl and anilino chromophores. Switching of reaction pathways due to methylene chain length and magnetic field effects	154 (1989) 581
Nakamura, T., see Y. Hidaka	154 (1989) 573
Neeleman, E., see G. Blasse	154 (1989) 420
Newman, J., see P.L. San Biagio	154 (1989) 477
Niles, S. and C.A. Wight, Photofragment spectroscopy of nitrosobenzene	154 (1989) 458
Noid, D.W., J.E. Bloor, M. Spotswood and M.L. Koszykowski, Calculation of ab initio frequencies from short time classical trajectories	154 (1989) 391
Nomura, O., see S. Ikuta	154 (1989) 71
Noréus, D. and J. Tomkinson, Inelastic neutron scattering studies of a novel linear PdH_2 complex in Na_2PdH_2	154 (1989) 439
Notholt, J. and P.K. Ludwig, On the assignment of the central line ($\approx 1025 \text{ cm}^{-1}$) in the SERS spectrum of aqueous pyridine solutions	154 (1989) 101
Obi, K., see K. Takahashi	154 (1989) 223
Olsen, J., A.M.S. de Merás, H.J.Aa. Jensen and P. Jørgensen, Excitation energies, transition moments and dynamic polarizabilities for CH^+ . A comparison of multiconfigurational linear response and full configuration interaction calculations	154 (1989) 380
Onori, G., Structural properties of aqueous mixtures of monohydric alcohols from near-infrared absorption spectra	154 (1989) 212
Ossig, F., see A. Penzkofer	154 (1989) 111
Pálinkás, G., see E. Hawlicka	154 (1989) 255
Palma, M.U., see P.L. San Biagio	154 (1989) 477
Pasternack, L., B.R. Weiner and A.P. Baronavski, Rotational distributions of CO from the 193 nm photodissociation of BH_3CO using nonresonant four-wave mixing for VUV generation	154 (1989) 121
Penzkofer, A. and F. Ossig, Absorption recovery of the pyridinocarbocyanine dye PYC	154 (1989) 111
Perkampus, H.-H., see T. Ledwig	154 (1989) 309
Peyerimhoff, S.D., see M. Carnell	154 (1989) 484

Pichler, G., see D. Fijan	154 (1989) 126
Polavarapu, P.L., see L.D. Barron	154 (1989) 251
Price, S.L., see J.B.O. Mitchell	154 (1989) 267
Quelch, G.E., see D.L. Clark	154 (1989) 326
Ramasesha, S. and I.D.L. Albert, Exact static polarizabilities of correlated finite model systems	154 (1989) 501
Rance, M., Sign reversal of resonances via isotropic mixing in NMR spectroscopy	154 (1989) 242
Reber, C. and H.U. Güdel, Near-infrared luminescence spectroscopy of $\text{Al}_2\text{O}_3:\text{V}^{3+}$ and $\text{Y}\text{P}_3\text{O}_9:\text{V}^{3+}$	154 (1989) 425
Redfern, C.M., see D.L. Clark	154 (1989) 326
Rego, C.A., see A.C. Legon	154 (1989) 468
Rettig, W. and W. Majenz, Competing adiabatic photoreaction channels in stilbene derivatives	154 (1989) 335
Righini, R., see L. Angeloni	154 (1989) 115
Righini, R., see L. Angeloni	154 (1989) 432
Robota, H.J., see S.B. Mohsin	154 (1989) 511
Ros, M. and E.J.J. Groenen, The triplet state of dodecapentaenal: electron spin echo spectroscopy of a polyenal	154 (1989) 29
Rothenberger, G. and M. Grätzel, Effects of spatial confinement on the rate of bimolecular reactions in organized liquid media	154 (1989) 165
Rozenshtein, V.B., see M.A. Ioffe	154 (1989) 131
Sadeghi, N., see R. Sobczynski	154 (1989) 349
Sæbø, S. and J. Almlöf, Avoiding the integral storage bottleneck in LCAO calculations of electron correlation	154 (1989) 83
Salvi, P.R., see L. Angeloni	154 (1989) 432
San Biagio, P.L., J. Newman, F. Madonia and M.U. Palma, Co-solute control of the self-assembly of a biopolymeric supramolecular structure	154 (1989) 477
Sato, Y., see K. Ueda	154 (1989) 357
Sato, Y., see S. Nagaoka	154 (1989) 363
Scheraga, H.A., see Z. Li	154 (1989) 516
Schettino, V., see L. Angeloni	154 (1989) 432
Schlyer, B.D., A.H. Maki and A.J.W.G. Visser, An ODMR study of amphiphilic flavins in a Shpol'skii matrix	154 (1989) 39
Schnöckel, H., see R. Ahlrichs	154 (1989) 104
Schramm, B., see J. Kern	154 (1989) 292
Schueler, B., see J. Morton	154 (1989) 143
Schwahn, H., see J. Kern	154 (1989) 292
Schwarz, H., see K. Eller	154 (1989) 443
Schweiger, A., see C. Bühlmann	154 (1989) 285
Schwentner, N., M.E. Fajardo and V.A. Apkarian, Rydberg series of charge transfer excitations in halogen-doped rare gas crystals	154 (1989) 237
Schwentner, N. and V.A. Apkarian, A solid state rare gas halide laser: XeF in crystalline argon	154 (1989) 413
Senn, P., Comment on the bound states of the Schrödinger equation with the potential $V = A/x^2 + Bx^2$	154 (1989) 172

Setser, D.W., see R. Sobczynski	154 (1989) 349
Shigemasa, E., see K. Ueda	154 (1989) 357
Shigemasa, E., see S. Nagaoka	154 (1989) 363
Shimomura, M., see S. Kirstein	154 (1989) 303
Shioya, Y., M. Yagi and J. Higuchi, A time-resolved electron spin resonance study of the triplet states of 1-nitronaphthalene and 1,4-dinitronaphthalene	154 (1989) 25
Simpson, N.J.K., see K.A. McLauchlan	154 (1989) 550
Sinha, D., S.K. Mukhopadhyay, R. Chaudhuri and D. Mukherjee, The eigenvalue-independent partitioning technique in Fock space: an alternative route to open-shell coupled-cluster theory for incomplete model spaces	154 (1989) 544
Smith, K.A., see C.W. Walter	154 (1989) 409
Sobczynski, R., R. Beaman, D.W. Setser and N. Sadeghi, Generation of Kr(3P_0) atoms in a flow reactor: reactions with CO, N ₂ , NF ₃ and F ₂	154 (1989) 349
Spotswood, M., see D.W. Noid	154 (1989) 391
Springuel-Huet, M.A. and J. Fraissard, ^{129}Xe NMR of xenon adsorbed on the molecular sieves AlPO ₄ -11 and SAPO-11. Chemical shift anisotropy related to the asymmetry of the adsorption zones	154 (1989) 299
Stace, A.J., see A.J. Marks	154 (1989) 492
Stevenson, S.H., see W. Tam	154 (1989) 93
Stranges, D., see V. Di Napoli	154 (1989) 217
Sülzle, D., see K. Eller	154 (1989) 443
Suvernev, A.A. and S.I. Temkin, Spin-rotational NMR relaxation of spherical molecules in the gas phase	154 (1989) 49
Tachibana, A., S. Ishikawa, T. Inoue and T. Yamabe, Extended orbital vibronic constant and attractive force for superconductivity in a molecular model of polyacetylene	154 (1989) 403
Tachiya, M. and A. Hummel, Effect of an external electric field on the escape probability in groups of multiple ion pairs in irradiated nonpolar liquids	154 (1989) 497
Tacke, M., see R. Ahlrichs	154 (1989) 104
Takahashi, K., K. Obi, I. Tanaka and T. Tani, Picosecond kinetics of spectral sensitization by a J-aggregated dye on AgBr microcrystals	154 (1989) 223
Tam, W., B. Guerin, J.C. Calabrese and S.H. Stevenson, 3-methyl-4-methoxy-4'-nitrostilbene (MMONS): crystal structure of a highly efficient material for second-harmonic generation	154 (1989) 93
Tanaka, I., see K. Takahashi	154 (1989) 223
Tang, C.L., see I. Walmley	154 (1989) 315
Tani, T., see K. Takahashi	154 (1989) 223
Tao, Y., Theoretical studies of 1,2-intramolecular hydrogen shifts for HSC ⁺ /HCS ⁺ , HSiO ⁺ /HSi ⁺ and HSiS ⁺ /HSSi ⁺ systems	154 (1989) 374
Tarr, A.W. and F. Zerbetto, Absolute intensities of CH-stretching overtones in chloroform and deuteriochloroform	154 (1989) 273
Teghil, R., see V. Di Napoli	154 (1989) 217
Teitelbaum, H., A generalized rate law for the thermal dissociation of diatomic molecules under non-equilibrium conditions	154 (1989) 90
Temkin, S.I., see A.A. Suvernev	154 (1989) 49
Tomkinson, J., see D. Noréus	154 (1989) 439
Topp, M.R., see S.A. Wittmeyer	154 (1989) 1

Topp, M.R., see A.J. Kaziska	154 (1989) 199
Trenary, M., see S.B. Mohsin	154 (1989) 511
Trommsdorff, H.P., J.M. Zeigler and R.M. Hochstrasser, Narrow band laser-induced photochemical processes in polysilane solid films at 1.4 K	154 (1989) 463
Tsuchida, A., see M. Yamamoto	154 (1989) 559
Tsujii, Y., see M. Yamamoto	154 (1989) 559
Tully, F.P., see J.L. Durant Jr.	154 (1989) 568
Tyryshkin, A.M., see S.A. Dikanov	154 (1989) 34
Ueda, K., E. Shigemasa, Y. Sato, S. Nagaoka, I. Koyano, A. Yagishita, T. Nagata and T. Hayaishi, Ionic fragmentation following the 3d core excitation of $\text{Sn}(\text{CH}_3)_4$ by soft X-rays	154 (1989) 357
Ueda, K., see S. Nagaoka	154 (1989) 363
Umanskii, S.Ya., see M.A. Ioffe	154 (1989) 131
Urban, R.-D., U. Magg and H. Jones, The infrared spectrum of two isotopic species of gallium hydride (^{69}GaH and ^{71}GaH)	154 (1989) 135
Van der Pol, J.F., see G. Blasse	154 (1989) 420
Van Leeuwen, P.A., see E. van Oort	154 (1989) 587
Van Oort, E., P.A. van Leeuwen and M. Glasbeek, Phase control of spin coherence in electronic triplet states by two-frequency microwave excitation	154 (1989) 587
Veža, D., see D. Fijan	154 (1989) 126
Visser, A.J.W.G., see B.D. Schlyer	154 (1989) 39
Vulpius, T., see R. Houriet	154 (1989) 454
Wahl, M., see B. Atakan	154 (1989) 449
Walker, G.C., see S.R. Flom	154 (1989) 193
Walmsley, I., F.W. Wise and C.L. Tang, On the difference between quantum beats in impulsive stimulated Raman scattering and resonance Raman scattering	154 (1989) 315
Walter, C.W., B.G. Lindsay, K.A. Smith and F.B. Dunning, Translational energy release in dissociative electron attachment to CH_3I , CD_3I , CF_3I and CF_3Br	154 (1989) 409
Wang, J.Z., see K. Balasubramanian	154 (1989) 525
Weiner, B.R., see L. Pasternack	154 (1989) 121
Weller, R., see B. Atakan	154 (1989) 449
Westbrook, J.D., see J.T. Blair	154 (1989) 531
Westlund, P.-O. and R.M. Lynden-Bell, Separation of vibrational dephasing and reorientational contributions to the infrared and Raman lineshapes in a simulation of MeCN	154 (1989) 67
Wiesen, P., see K.H. Becker	154 (1989) 342
Wight, C.A., see S. Niles	154 (1989) 458
Williams, G., see N. Boden	154 (1989) 613
Wise, F.W., see I. Walmsley	154 (1989) 315
Wittmeyer, S.A., A.J. Kaziska, A.L. Motyka and M.R. Topp, Time-resolved desorption of argon and methane from the surface of a perylene molecule	154 (1989) 1
Wittmeyer, S.A., see A.J. Kaziska	154 (1989) 199
Wolfrum, J., see B. Atakan	154 (1989) 449
Wong, C.F., C. Zheng and J.A. McCammon, Glass transition in SPC/E water and in a protein solution: a molecular dynamics simulation study	154 (1989) 151

Yagi, M., see Y. Shioya	154 (1989) 25
Yagishita, A., see K. Ueda	154 (1989) 357
Yagishita, A., see S. Nagaoka	154 (1989) 363
Yamabe, S., see K. Hiraoka	154 (1989) 139
Yamabe, T., see A. Tachibana	154 (1989) 403
Yamamoto, M., Y. Tsujii and A. Tsuchida, Near-infrared charge resonance band of intramolecular carbazole dimer radical cations studied by nanosecond laser photolysis	154 (1989) 559
Yamauchi, S. and H. Kanno, Observation of resolved Raman bands for solvated ions in glassy alcohol solutions	154 (1989) 248
Yamauchi, S., see M. Koyanagi	154 (1989) 577
Yoshihara, K., see S.R. Meech	154 (1989) 20
Zeigler, J.M., see H.P. Trommsdorff	154 (1989) 463
Zerbetto, F., see A.W. Tarr	154 (1989) 273
Zhang, C., see Z. Ma	154 (1989) 9
Zheng, C., see C.F. Wong	154 (1989) 151

